

**2005 ACCEPTANCE REQUIREMENTS FOR CODE COMPLIANCE****MECH-3-A****Packaged/Split HVAC Systems Acceptance Document****NJ.4.1**

Form \_\_\_\_\_ of \_\_\_\_\_

PROJECT NAME	DATE
PROJECT ADDRESS	
TESTING AUTHORITY	TELEPHONE
PACKAGED HVAC NAME / DESIGNATION	Checked by/Date Enforcement Agency Use

**Intent:** Verify that under a specific load whether in occupied or unoccupied condition, the system meets a specific sequence of operation.

**Construction Inspection**

1 Instrumentation to perform test includes, but not limited to:

- a. None required

2 Installation

- Thermostat or zone temperature sensor is located within the zone that the HVAC system serves
- Thermostat or sensor is wired to the HVAC system correctly

3 Programming (check all of the following)

- Heating and cooling thermostats are capable of a 5°F deadband where cooling and heating are at a minimum (§122(b)3)
- Occupied, unoccupied, and holiday schedule have been programmed.
- Pre-occupancy purge (at least lesser of minimum outside air or 3 ACH for one hour prior to occupancy) programmed (§121(c)2)
- Set up and set back setpoints have been programmed as required

**Certification Statement:** I certify that all statements are true on this MECH-3-A form including the PASS/FAIL Evaluation. I affirm I am eligible to sign this form under the provisions described in the Statement of Acceptance on form MECH-1-A

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

## Packaged/Split HVAC Systems Acceptance Document

NJ.4.1

Form \_\_\_\_\_ of \_\_\_\_\_

PROJECT NAME	DATE
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B. Equipment Testing Requirements		Operating Modes						
		Cooling load during unoccupied condition						
		Manual override						
		No-load during unoccupied condition						
		Heating load during unoccupied condition						
		No-load during occupied condition						
		Heating load during occupied condition						
Check and verify the following for each simulation mode required		A	B	C	D	E	F	G
1	Supply fan operates continually	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2	Supply fan turns off	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3	Supply fan cycles on and off	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	System reverts to "occupied" mode to satisfy any condition	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5	System turns off when manual override time period expires	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6	Gas-fired furnace, heat pump, or electric heater stages on	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
7	Neither heating or cooling is provided by the unit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8	No heating is provided by the unit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	No cooling is provided by the unit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10	Compressor stages on	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	Outside air damper is open to minimum position	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
12	Outside air damper closes completely	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
13	System returned to initial operating conditions after all tests have been completed:	Y/N						

C. Testing Results		A	B	C	D	E	F	G
Indicate if Passed (P), Failed (F), or N/A (X), fill in appropriate letter		<input type="checkbox"/>						

**Note: Shaded areas do not apply for particular test procedure**

## D. PASS / FAIL Evaluation (check one):

<input type="checkbox"/>	PASS: All <b>Construction Inspection</b> responses are complete and all applicable <b>Testing Results</b> responses are "Passed" (P)
<input type="checkbox"/>	FAIL: Any <b>Construction Inspection</b> responses are incomplete OR there is one or more "Failed" (F) responses in <b>Testing Results</b> section. Provide explanation below. Use and attach additional pages if necessary.